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Arg Ser Leu Glu Cys Arg Ser Asp Pro Glu Ser Pro Ile Lys Lys Thr
        35                  40                  45

Ser Leu Ser Pro Thr Ser Lys Leu Gly Tyr Ser Tyr Ser Arg Asp Leu
    50                  55                  60

Asp Leu Ala Lys Lys Lys His Ala Ser Leu Arg Gln Thr Glu Ser Asp
65                  70                  75                  80

Pro Asp Ala Asp Arg Thr Thr Leu Asn His Ala Asp His Ser Ser Lys
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Ile Val Gln His Arg Leu Leu Ser Arg Gln Glu Glu Leu Lys Glu Arg
            100                 105                 110

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Gly Asn Lys His Asn Thr Asn Thr Ala Thr Pro Phe Cys Asn Arg Gln
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Ser Leu Ser Pro Thr Ser Lys Leu Gly Tyr Ser Tyr Ser Arg Asp Leu
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Asp Leu Ala Lys Lys Lys His Ala Ser Leu Arg Gln Thr Glu Ser Asp
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Pro Asp Ala Asp Arg Thr Thr Leu Asn His Ala Asp His Ser Ser Lys
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Ile Val Gln His Arg Leu Leu Ser Arg Gln Glu Glu Leu Lys Glu Arg
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Ala Arg Val Leu Leu Glu Gln Ala Arg Arg Asp Ala Ala Leu Lys Ala
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Lys Thr Glu Ala Gln Lys Arg Arg Glu Gln Leu Leu Leu Asp Glu Leu
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Val Ala Leu Val Asn Lys Arg Asp Ala Leu Val Arg Asp Leu Asp Ala
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Pro Asp Ala Asp Arg Thr Thr Leu Asn His Ala Asp His Ser Ser Lys
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Ile Val Gln His Arg Leu Leu Ser Arg Gln Glu Glu Leu Lys Glu Arg
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Ala Arg Val Leu Leu Glu Gln Ala Arg Arg Asp Ala Ala Leu Lys Ala
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Val Arg Asp Leu Asp Ala Gln Glu Lys Gln Ala Glu Glu Glu Asp Glu
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Casein kinase, 5x Tyrosine kinase

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Ser Leu Ser Cys Ile Phe Leu Arg Glu Gly Lys Ala Thr Asp Glu Asp
         35   40   45

Met Gln Ser Leu Ala Ser Leu Val Ser Met Lys Gln Ala Asp Ile Gly
     50   55   60

Asn Leu Asp Asp Phe Glu Glu Asp Asn Glu Asp Asp Asp Glu Asn Arg
 65   70   75   80

Val Asn Gln Glu Glu Lys Ala Ala Lys Ile Thr Glu Leu Ile Asn Lys
             85   90   95

Leu Asn Phe Leu Asp Glu Ala Glu Lys Asp Leu Ala Thr Val Asn Ser
         100   105   110

Asn Pro Phe Asp Asp Pro Asp Ala Ala Glu Leu Asn Pro Phe Gly Asp
         115   120   125

Pro Asp Ser Glu Glu Pro Ile Thr Glu Thr Ala Ser Pro Arg Lys Thr
     130   135   140

Glu Asp Ser Phe Tyr Asn Asn Ser Tyr Asn Pro Phe Lys Glu Val Gln
145   150   155   160

Thr Pro Gln Tyr Leu Asn Pro Phe Asp Glu Pro Glu Ala Phe Val Thr
             165   170   175

Ile Lys Asp Ser Pro Pro Gln Ser Thr Lys Arg Lys Asn Ile Arg Pro
             180   185   190

Val Asp Met Ser Lys Tyr Leu Tyr Ala Asp Ser Ser Lys Thr Glu Glu
     195   200   205

Glu Glu Leu Asp Glu Ser Asn Pro Phe Tyr Glu Pro Lys Ser Thr Pro
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Pro Pro Asn Asn Leu Val Asn Pro Val Gln Glu Leu Glu Thr Glu Arg
225   230   235   240

Arg Val Lys Arg Lys Ala Pro Ala Pro Pro Val Leu Ser Pro Lys Thr
             245   250   255

Gly Val Leu Asn Glu Asn Thr Val Ser Ala Gly Lys Asp Leu Ser Thr
             260   265   270

Ser Pro Lys Pro Ser Pro Ile Pro Ser Pro Val Leu Gly Arg Lys Pro
         275   280   285

Asn Ala Ser Gln Ser Leu Leu Val Trp Cys Lys Glu Val Thr Lys Asn

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                        325               330               335

        Tyr Lys Ser Leu Asn Pro Gln Asp Ile Lys Glu Asn Asn Lys Lys Ala
                    340               345               350

        Tyr Asp Gly Phe Ala Ser Ile Gly Ile Ser Arg Leu Leu Glu Pro Ser
                    355               360               365

        Asp Met Val Leu Leu Ala Ile Pro Asp Lys Leu Thr Val Met Thr Tyr
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        Gln Ile Glu Glu Asn Ser Ser Lys Ser Thr Tyr Lys Val Gly Asn Tyr
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        Glu Thr Asp Thr Asn Ser Ser Val Asp Gln Glu Lys Phe Tyr Ala Glu
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        Leu Ser Asp Leu Lys Arg Glu Pro Glu Leu Gln Gln Pro Ile Ser Gly
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        Ala Val Asp Phe Leu Ser Gln Asp Asp Ser Val Phe Val Asn Asp Ser
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        Gly Val Gly Glu Ser Glu Ser Glu His Gln Thr Pro Asp Asp His Leu
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        Ser Pro Ser Thr Ala Ser Pro Tyr Cys Arg Arg Thr Lys Ser Asp Thr
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        Glu Pro Gln Lys Ser Gln Gln Ser Ser Gly Arg Thr Ser Gly Ser Asp
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        Asp Pro Gly Ile Cys Ser Asn Thr Asp Ser Thr Gln Ala Gln Val Leu
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        Leu Gly Lys Lys Arg Leu Leu Lys Ala Glu Thr Leu Glu Leu Ser Asp
                530               535               540

        Leu Tyr Val Ser Asp Lys Lys Lys Asp Met Ser Pro Pro Phe Ile Cys
        545               550               555               560

        Glu Glu Thr Asp Glu Gln Lys Leu Gln Thr Leu Asp Ile Gly Ser Asn
                        565               570               575

        Leu Glu Lys Glu Lys Leu Glu Asn Ser Arg Ser Leu Glu Cys Arg Ser
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        Asp Pro Glu Ser Pro Ile Lys Lys Thr Ser Leu Ser Pro Thr Ser Lys
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        Leu Gly Tyr Ser Tyr Ser Arg Asp Leu Asp Leu Ala Lys Lys Lys His
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Ser Arg Gln Glu Glu Leu Lys Glu Arg Ala Arg Val Leu Leu Glu Gln
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Ala Arg Arg Asp Ala Ala Leu Lys Ala Gly Asn Lys His Asn Thr Asn
        675             680             685

Thr Ala Thr Pro Phe Cys Asn Arg Gln Leu Ser Asp Gln Gln Asp Glu
    690             695             700

Glu Arg Arg Arg Gln Leu Arg Glu Arg Ala Arg Gln Leu Ile Ala Glu
705             710             715             720

Ala Arg Ser Gly Val Lys Met Ser Glu Leu Pro Ser Tyr Gly Glu Met
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Ala Ala Glu Lys Leu Lys Glu Arg Ser Lys Ala Ser Gly Asp Glu Asn
        740             745             750

Asp Asn Ile Glu Ile Asp Thr Asn Glu Glu Ile Pro Glu Gly Phe Val
        755             760             765

Val Gly Gly Gly Asp Glu Leu Thr Asn Leu Glu Asn Asp Leu Asp Thr
    770             775             780

Pro Glu Gln Asn Ser Lys Leu Val Asp Leu Lys Leu Lys Lys Leu Leu
785             790             795             800

Glu Val Gln Pro Gln Val Ala Asn Ser Pro Ser Ser Ala Ala Gln Lys
            805             810             815

Ala Val Thr Glu Ser Ser Glu Gln Asp Met Lys Ser Gly Thr Glu Asp
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Leu Arg Thr Glu Arg Leu Gln Lys Thr Thr Glu Arg Phe Arg Asn Pro
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Val Val Phe Ser Lys Asp Ser Thr Val Arg Lys Thr Gln Leu Gln Ser
    850             855             860

Phe Ser Gln Tyr Ile Glu Asn Arg Pro Glu Met Lys Arg Gln Arg Ser
865             870             875             880

Ile Gln Glu Asp Thr Lys Lys Gly Asn Glu Glu Lys Ala Ala Ile Thr
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Glu Thr Gln Arg Lys Pro Ser Glu Asp Glu Val Leu Asn Lys Gly Phe
        900             905             910

Lys Asp Thr Ser Gln Tyr Val Val Gly Glu Leu Ala Ala Leu Glu Asn
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Glu Gln Lys Gln Ile Asp Thr Arg Ala Ala Leu Val Glu Lys Arg Leu
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Met Gln Glu Trp Phe Met Leu Val Asn Lys Lys Asn Ala Leu Ile Arg
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Arg Met Asn Gln Leu Ser Leu Leu Glu Lys Glu His Asp Leu Glu Arg
            980                 985                 990

Arg Tyr Glu Leu Leu Asn Arg Glu Leu Arg Ala Met Leu Ala Ile Glu
        995                 1000                1005

Asp Trp Gln Lys Thr Glu Ala Gln Lys Arg Arg Glu Gln Leu Leu Leu
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Asp Glu Leu Val Ala Leu Val Asn Lys Arg Asp Ala Leu Val Arg Asp
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Leu Asp Ala Gln Glu Lys Gln Ala Glu Glu Glu Asp Glu His Leu Glu
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Arg Thr Leu Glu Gln Asn Lys Gly Lys Met Ala Lys Lys Glu Glu Lys
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Cys Val Leu Gln
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